

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/698,439A
Source: 1 FWO
Date Processed by STIC: 11/2/04

ENTERED

**CRF Errors Edited by the STIC Systems
Branch**

Serial Number: 10/698,439A

CRF Edit Date: 11/4/04
Edited by: AC

 Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

 Corrected the SEQ ID NO. Sequence numbers edited were:

 Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

 / Deleted: / invalid beginning/end-of-file text ; page numbers

 Inserted mandatory headings/numeric identifiers, specifically:

 Moved responses to same line as heading/numeric identifier, specifically:

 J Other:
corrected spelling of "oligonucleotide" in sequence 1;
corrected <1507, <1517 lines



IFWO

RAW SEQUENCE LISTING

DATE: 11/04/2004

PATENT APPLICATION: US/10/698,439A

TIME: 13:02:37

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11042004\J698439A.raw

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4 <110> APPLICANT: SIGA PHARMACEUTICALS, INC.
6 <120> TITLE OF INVENTION: New Intergenic and Intragenic Integration Sites for
7   Foreign Gene Expression in Recombinant S. Gordonii Strains
9 <130> FILE REFERENCE: 016921-167
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/698,439A
C--> 11 <141> CURRENT FILING DATE: 2003-11-03
11 <150> PRIOR APPLICATION NUMBER: PCT/US01/05493
12 <151> PRIOR FILING DATE: 2001-02-22
14 <150> PRIOR APPLICATION NUMBER: US 60/184,645
15 <151> PRIOR FILING DATE: 2000-02-24
17 <160> NUMBER OF SEQ ID NOS: 49
19 <170> SOFTWARE: PatentIn version 3.0
21 <210> SEQ ID NO: 1
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24 <213> ORGANISM: Artificial Sequence
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27 <223> OTHER INFORMATION: Oligonucleotide CF4
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36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
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40 <223> OTHER INFORMATION: Oligonucleotide CF5
42 <400> SEQUENCE: 2
43 ggatcctaatac gactcact atagggc
47 <210> SEQ ID NO: 3
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49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Oligonucleotide CF35
55 <400> SEQUENCE: 3
56 cgattcgaca tagaaataaa ttggag
61 <210> SEQ ID NO: 4
62 <211> LENGTH: 22
63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: Oligonucleotide CF43
69 <400> SEQUENCE: 4

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17

27

26

RAW SEQUENCE LISTING

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DATE: 11/04/2004

TIME: 13:02:37

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11042004\J698439A.raw

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76 <212> TYPE: DNA
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79 <220> FEATURE:
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83 tggatggcat gaatgtatag at                                22
86 <210> SEQ ID NO: 6
87 <211> LENGTH: 28
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Oligonucleotide TB59
94 <400> SEQUENCE: 6
95 aaagaagcat aacatatgtc aaaacaag                            28
98 <210> SEQ ID NO: 7
99 <211> LENGTH: 26
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
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106 <400> SEQUENCE: 7
107 acacttcac accattgatac cccaga                            26
110 <210> SEQ ID NO: 8
111 <211> LENGTH: 27
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
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119 <400> SEQUENCE: 8
120 ccatttgacc atgagaagac atccac                            27
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 31
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Oligonucleotide TB95
131 <400> SEQUENCE: 9
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135 <210> SEQ ID NO: 10
136 <211> LENGTH: 33
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Oligonucleotide TB96
143 <400> SEQUENCE: 10
144 gtccacaaag tgctcaatat tatcccgatt gag                    33

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PATENT APPLICATION: US/10/698,439A

DATE: 11/04/2004

TIME: 13:02:37

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11042004\J698439A.raw

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147 <210> SEQ ID NO: 11
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149 <212> TYPE: DNA
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159 <210> SEQ ID NO: 12
160 <211> LENGTH: 36
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Oligonucleotide TB103
167 <400> SEQUENCE: 12
168 ggaattccat atgcggataa taaatatata taaacg
171 <210> SEQ ID NO: 13
172 <211> LENGTH: 37
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Oligonucleotide TB104
181 <400> SEQUENCE: 13
182 ggaattccat atgcgattca caaaaaatag gcacacg
185 <210> SEQ ID NO: 14
186 <211> LENGTH: 23
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Oligonucleotide TB107
193 <400> SEQUENCE: 14
194 gcaggagtgg acgaagaagc tcc
197 <210> SEQ ID NO: 15
198 <211> LENGTH: 31
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
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203 <223> OTHER INFORMATION: Oligonucleotide TB117
205 <400> SEQUENCE: 15
206 ggatcccata tgtaaggagc ataaaaatgg c
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211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Oligonucleotide CF4
217 <400> SEQUENCE: 16
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221 <210> SEQ ID NO: 17

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/698,439A

DATE: 11/04/2004

TIME: 13:02:37

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11042004\J698439A.raw

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223 <212> TYPE: DNA
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227 <223> OTHER INFORMATION: Oligonucleotide CF8
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230 tctagaggta ccttctcgtg ctttgctccg          30
233 <210> SEQ ID NO: 18
234 <211> LENGTH: 28
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Oligonucleotide CF9
243 <400> SEQUENCE: 18
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250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Oligonucleotide CF10
255 <400> SEQUENCE: 19
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259 <210> SEQ ID NO: 20
260 <211> LENGTH: 31
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Oligonucleotide CF11
267 <400> SEQUENCE: 20
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273 <212> TYPE: DNA
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
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279 <400> SEQUENCE: 21
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285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Oligonucleotide CF15
291 <400> SEQUENCE: 22
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296 <210> SEQ ID NO: 23
297 <211> LENGTH: 21

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PATENT APPLICATION: US/10/698,439A

DATE: 11/04/2004

TIME: 13:02:37

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11042004\J698439A.raw

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298 <212> TYPE: DNA
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301 <220> FEATURE:
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305 ctcagtgtaa agaggaaatc c                                21
308 <210> SEQ ID NO: 24
309 <211> LENGTH: 22
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Oligonucleotide CF17
316 <400> SEQUENCE: 24
317 gagtttcaat ggtcttgtct gg                                22
320 <210> SEQ ID NO: 25
321 <211> LENGTH: 25
322 <212> TYPE: DNA
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325 <220> FEATURE:
326 <223> OTHER INFORMATION: Oligonucleotide CF18
328 <400> SEQUENCE: 25
329 cttgaaaagc ctgaggggctg gttac                            25
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334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial Sequence
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346 <212> TYPE: DNA
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349 <220> FEATURE:
350 <223> OTHER INFORMATION: Oligonucleotide CF20
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359 <211> LENGTH: 22
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363 <220> FEATURE:
364 <223> OTHER INFORMATION: Oligonucleotide CF21
366 <400> SEQUENCE: 28
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370 <210> SEQ ID NO: 29
371 <211> LENGTH: 22
372 <212> TYPE: DNA

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/698,439A

DATE: 11/04/2004

TIME: 13:02:38

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\11042004\J698439A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/698,439A

DATE: 11/02/2004

TIME: 13:42:45

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\11022004\J698439A.raw

4 <110> APPLICANT: SIGA PHARMACEUTICALS, INC.
 6 <120> TITLE OF INVENTION: New Intergenic and Intragenic Integration Sites for
 7 Foreign Gene Expression in Recombinant S. Gordonii Strains
 9 <130> FILE REFERENCE: 016921-167
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/698,439A
 C--> 12 <141> CURRENT FILING DATE: 2003-11-03
 14 <150> PRIOR APPLICATION NUMBER: US 60/184,645
 15 <151> PRIOR FILING DATE: 2000-02-24
 17 <160> NUMBER OF SEQ ID NOS: 49
 19 <170> SOFTWARE: PatentIn version 3.0

ERRORED SEQUENCES

Does Not Comply
Corrected Diskette Needed

627 <210> SEQ ID NO: 49
 628 <211> LENGTH: 220
 629 <212> TYPE: DNA
 630 <213> ORGANISM: Artificial Sequence
 632 <220> FEATURE:
 633 <223> OTHER INFORMATION: Dyad symmetry sequence followed by a stretch of thymidine
 residue
 636 <400> SEQUENCE: 49
 637 gattctatatt tttcttcgag tcacgctctc cccctaaagg agaaatgtga ctcaaaaaac 60
 639 aaaccttaaa aatcaaattt tagaaataag tcaaatttta gaaataagtc aaattttaga 120
 641 aataagtcaa attttagaaa taagtcaaat ttttaataag ctttatctta ttttaagaac 180
 643 tgtctacatt atagaccaca atgttattaa tttttagcta 220
 E--> 646 016921-167.st25
 E--> 651 Page 11

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/698,439A

DATE: 11/02/2004

TIME: 13:42:46

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\11022004\J698439A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:646 M:254 E: No. of Bases conflict, LENGTH:Input:25 Counted:224 SEQ:49
L:646 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:11
L:646 M:112 C: (48) String data converted to lower case,
L:651 M:254 E: No. of Bases conflict, LENGTH:Input:11 Counted:228 SEQ:49
L:651 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2
L:651 M:252 E: No. of Seq. differs, <211> LENGTH:Input:220 Found:228 SEQ:49